4.2.C. 0801020903.

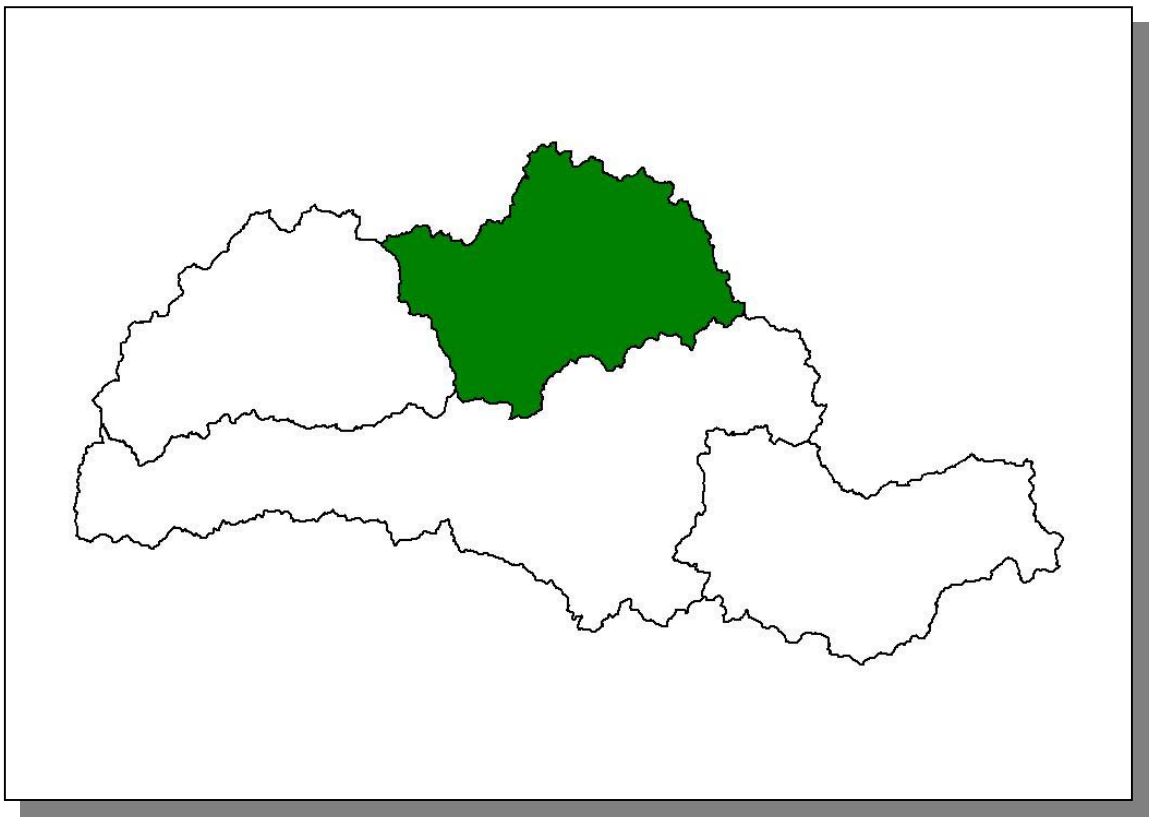

Figure 4-25. Location of Subwatershed 0801020903. *All Loosahatchie HUC-10 subwatershed boundaries are shown for reference.*

4.2.C.i. General Description.

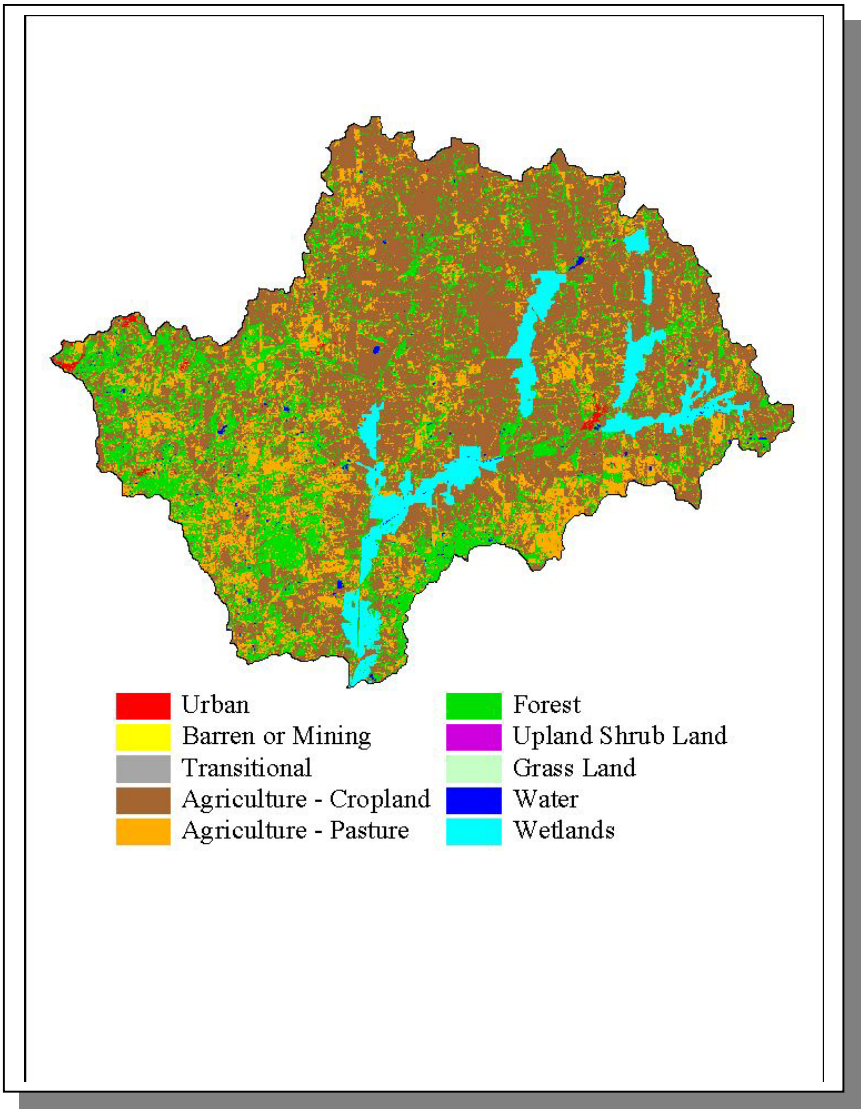

Figure 4-26. Illustration of Land Use Distribution in Subwatershed 0801020903.

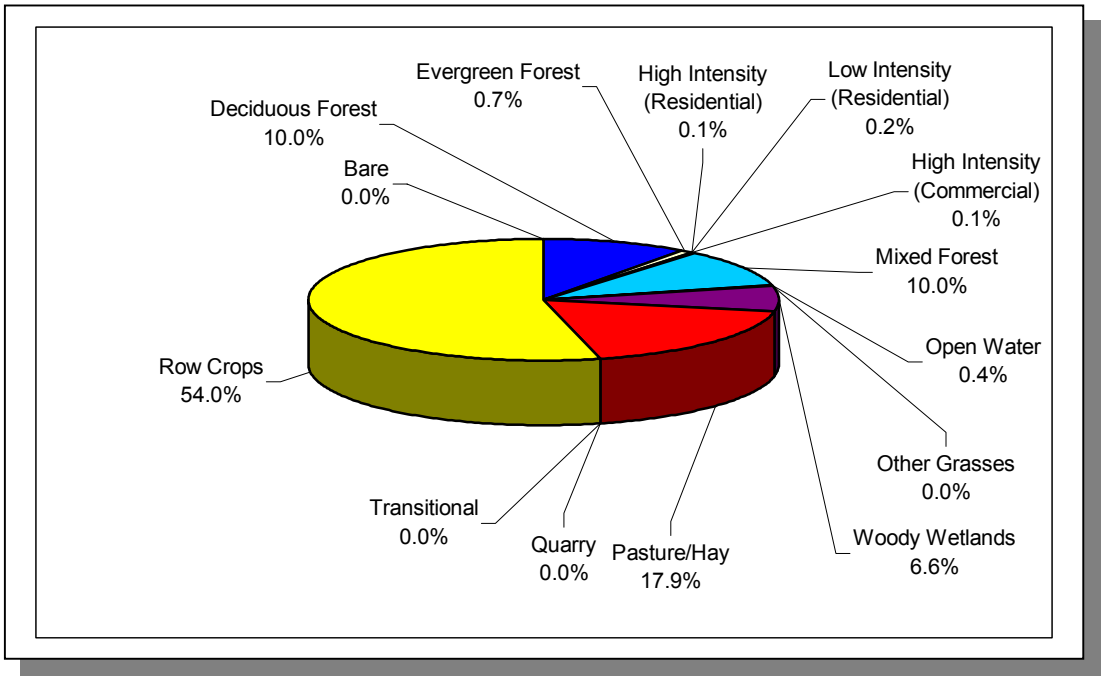

Figure 4-27. Land Use Distribution in Subwatershed 0801020903. *More information is provided in Loosahatchie-Appendix IV.*

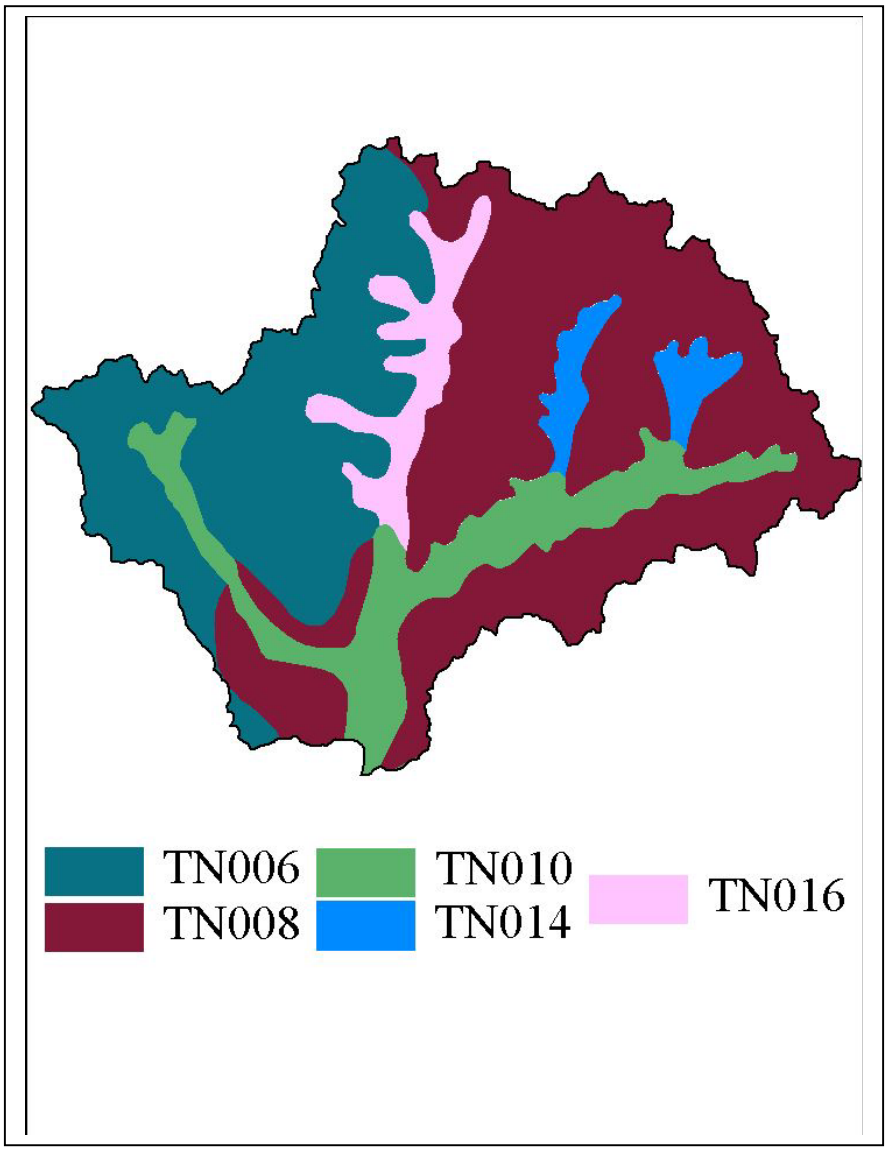

Figure 4-28. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0801020903.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN016	0.00	C	1.30	6.47	Silty Loam	0.44

Table 4-16. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0801020903. *More information is provided in Loosahatchie-Appendix IV.*

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		PERCENT CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Fayette	25,559	29,412	3.13	800	920	15.0
Haywood	19,437	19,709	0.38	75	76	1.3
Shelby	826,330	865,318	3.22	26,600	27,855	4.7
Tipton	37,568	45,986	22.53	8,465	10,362	22.4
Total	**908,894**	**960,425**		**35,940**	**39,213**	**9.1**

Table 4-17. Population Estimates in Subwatershed 0801020903.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Atoka	Tipton	648	280	110	169	1
Mason	Tipton	371	154	133	11	10
Munford	Tipton	2,331	894	785	104	5
Braden	Fayette	373	141	6	129	6
Total		**3,723**	**1,469**	**1,034**	**413**	**22**

Table 4-18. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0801020903.

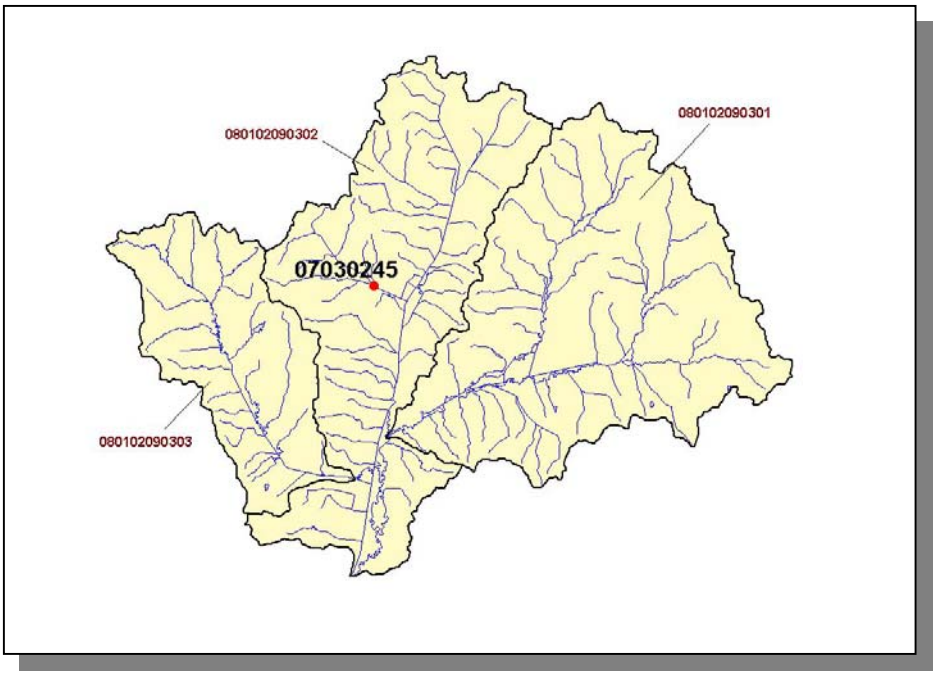

Figure 4-29. Location of Historical Streamflow Data Collection Sites in Subwatershed 0801020903. *Subwatershed 080102090301, 080102090302, and 080102090303 boundaries are shown for reference. More information is provided in Loosahatchie-Appendix IV.*

Figure 4-30. Location of STORET Monitoring Sites in Subwatershed 0801020903. *Subwatershed 080102090301, 080102090302, and 080102090303 boundaries are shown for reference. More information is provided in Loosahatchie-Appendix IV.*

4.2.C.ii. Point Source Contributions.

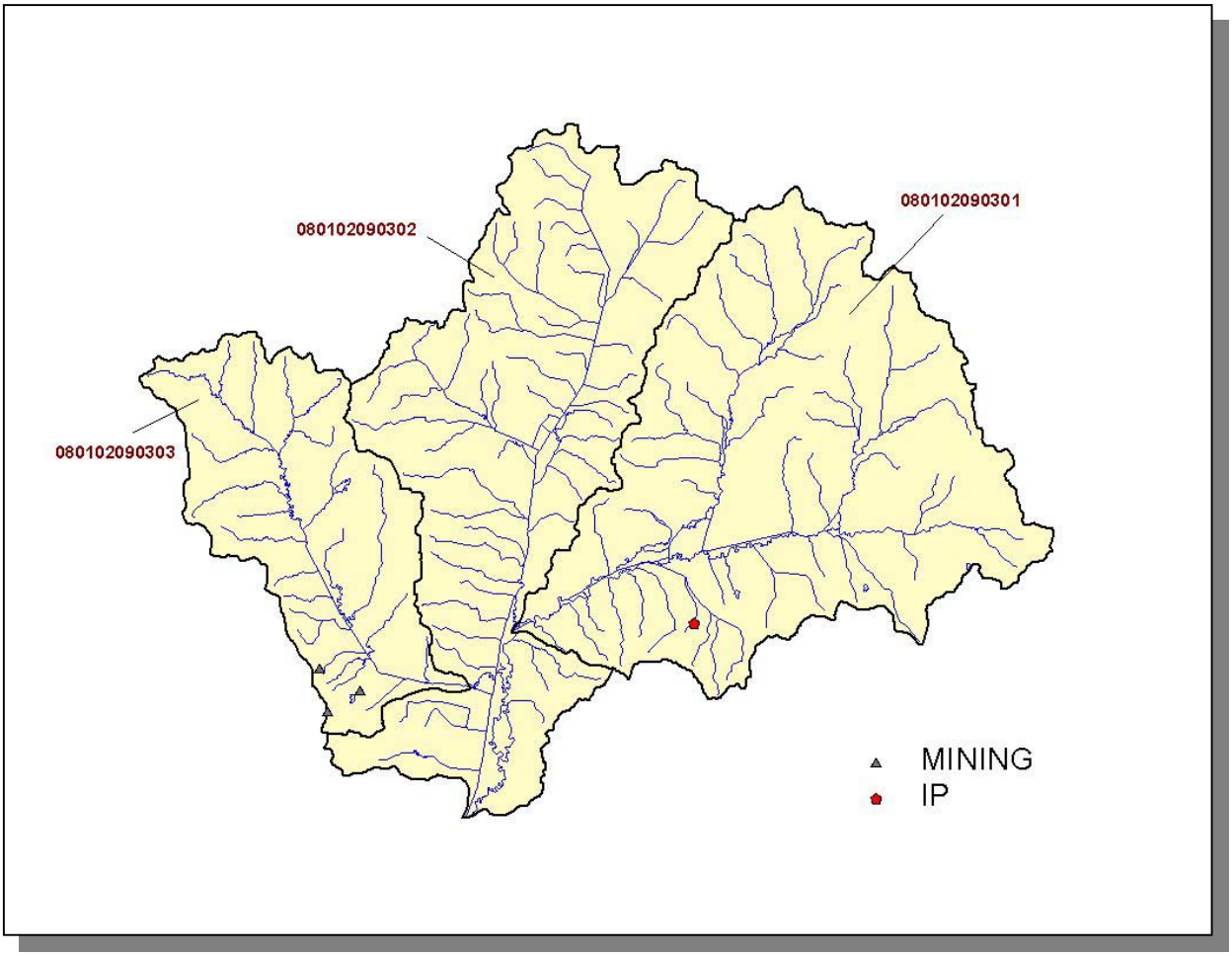

Figure 4-31. Location of Active Point Source Facilities in Subwatershed 0801020903. *Subwatershed 080102090301, 080102090302, and 080102090303 boundaries are shown for reference. More information is provided in the following charts.*

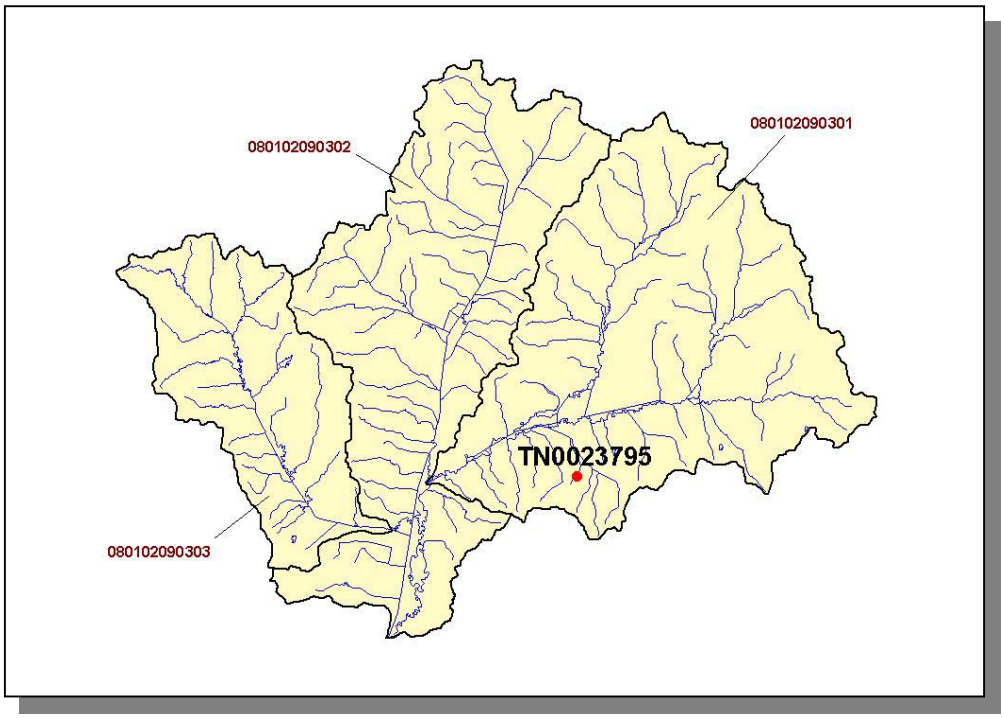

Figure 4-32. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0801020903. *Subwatershed 080102090301, 080102090302, and 080102090303 boundaries are shown for reference. More information, including the names of facilities, is provided in Loosahatchie-Appendix IV.*

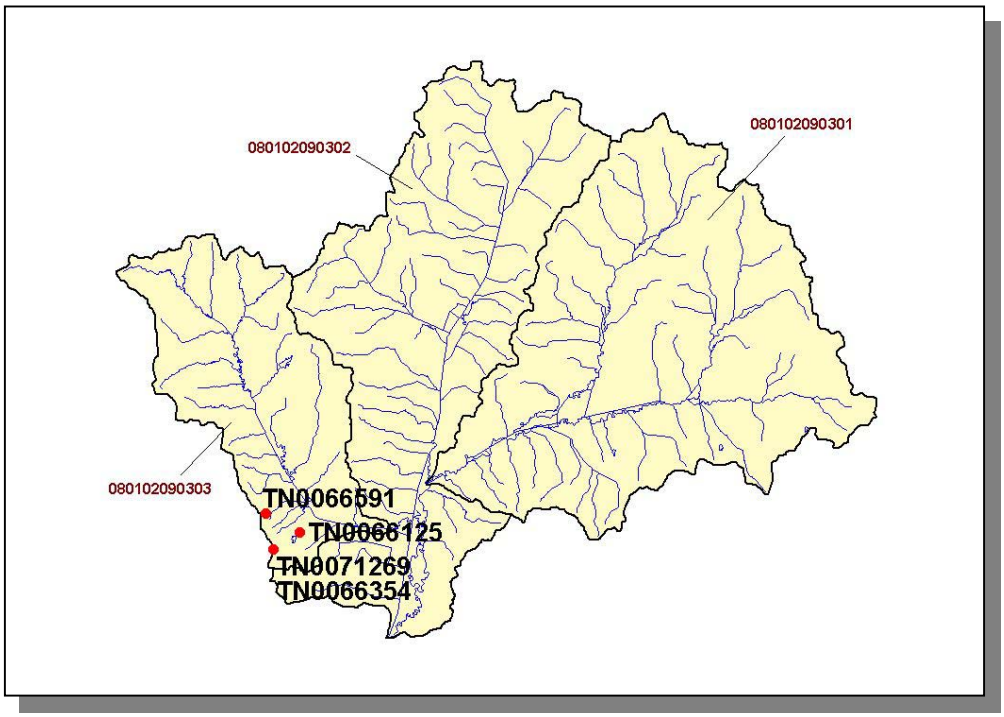

Figure 4-33. Location of Active Mining Sites in Subwatershed 0801020903. *Subwatershed 080102090301, 080102090302, and 080102090303 boundaries are shown for reference. More information, including the names of facilities, is provided in Loosahatchie-Appendix IV.*

4.2.A.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List

There is one NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 0801020903:

- TN0023795 (Northwest School) discharges to an unnamed trib to Beaver Creek @ RM 3.6

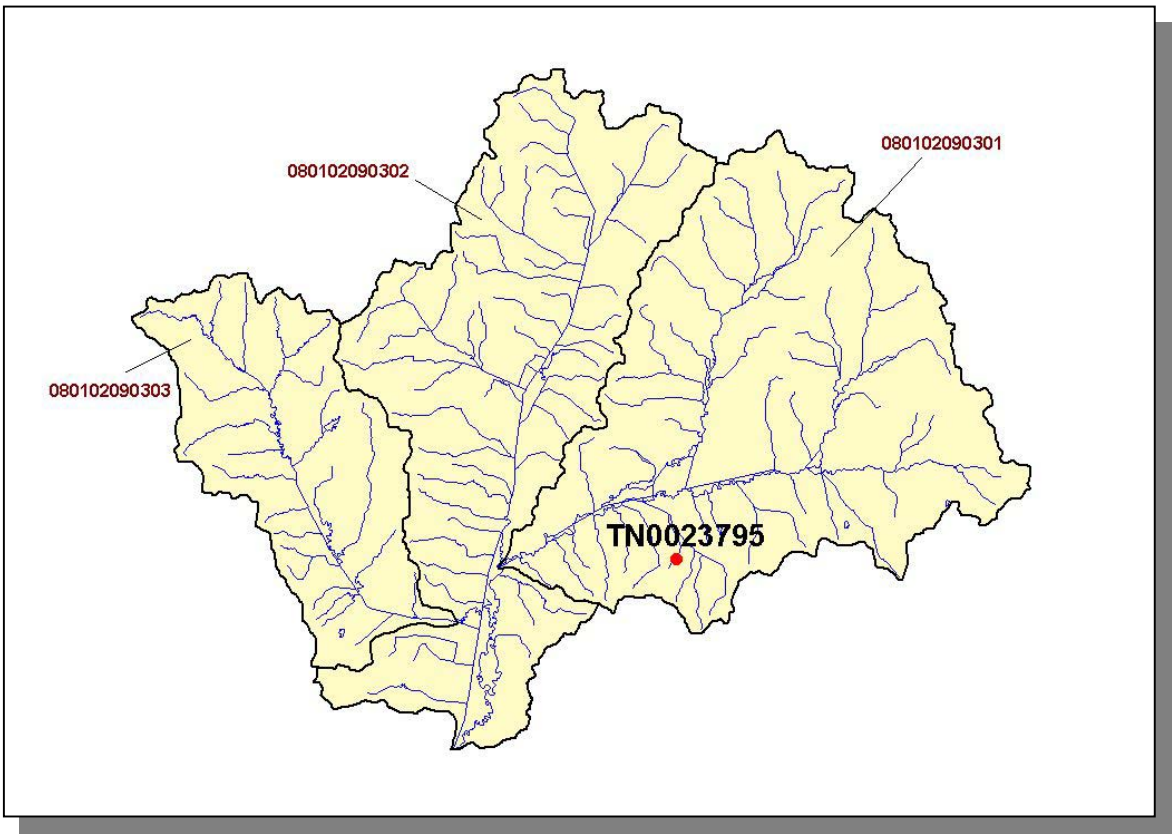

Figure 4-34. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 0801020903. *Subwatershed 080102090301, 080102090302, and 080102090303 boundaries are shown for reference. More information, including the names of facilities, is provided in Loosahatchie-Appendix IV.*

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0023795			0.00		0.00670

Table 4-19. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0801020903. *Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.*

PERMIT #	$CBOD_5$	pH	NH_3	FECAL	TRC	SETTLEABLE SOLIDS	TSS	DO
TN0023795	X	X	X	X	X	X	X	X

Table 4-20. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0801020903. *$CBOD_5$, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids; DO, Dissolved Oxygen.*

4.2.C.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
2,319	4,198	41	8	0	995	40

Table 4-21. Summary of Livestock Count Estimates in Subwatershed 0801020903. *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fayette	152.0	152.0	1.1	3.3
Haywood	71.2	71.2	1.7	6.4
Shelby	111.6	111.6	0.0	0.0
Tipton	50.9	50.9	1.0	5.6
Totals	**385.7**	**385.7**	**3.8**	**15.3**

Table 4-22. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0801020903.

CROPS	TONS/ACRE/YEAR
Legume (Hayland)	1.17
Grass (Hayland)	1.51
Legume/Grass (Hayland)	0.22
Grass (Pastureland)	0.69
Grass, Forbs, Legumes (Mixed Pasture)	0.83
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Soybeans (Row Crops)	16.13
Corn (Row Crops)	12.07
Cotton (Row Crops)	14.41
Sorghum (Row Crops)	4.84
Wheat (Close Grown Cropland)	3.55
All Other Close Grown Cropland	3.08
Conservation Reserve Program Land	0.92
Fruit (Horticulture)	0.42
Other Vegetable and Truck Crops	18.07
Summer Fallow (Other Cropland)	12.43
Other Land in Farms	0.16
Other Cropland not Planted	1.82
Nonagricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.56

Table 4-23. Annual Estimated Total Soil Loss in Subwatershed 0801020903.